

AMENDMENT TO AND LISTING OF THE CLAIMS

Please cancel claims 1-8, 10, 11 and 16. Please amend claims 9, 12, 22 and 23 wherein strikethrough and/or brackets indicate a deletion and underline indicates an addition. This listing of claims will replace all prior versions, and listings, of claims in the application:

1-8. (Cancelled)

9. (Currently Amended) A method for the production of a natural cartilage replacement material, wherein said natural cartilage replacement material comprises an open-pored, elastic cell-carrier body populated in its pores with chondrocytes, comprising:

dissolving in a physiologically acceptable solvent a mixture of lubricin and hyaluronic acid ~~and derivatives of these substances to form a solution,~~

bringing said solution in contact with the chondrocytes by moving said solution over the cell-carrier body with a laminar flow.

10-11. (Cancelled)

12. (Currently amended) The method of claim 9 ~~10 or 11~~, wherein by means of a joint-like device, an axial and a rotational force is exerted simultaneously on the cell-carrier body.

13. (Previously Presented) The method of claim 12, wherein the rotational force is carried out about two axes, which are orthogonal to one another.

14-17. (Cancelled)

18. (Previously presented) The method of claim 9, wherein said hyaluronic acid has a molecular weight of at least 1×10^6 Da.

19. (Previously presented) The method of claim 9, wherein the ratio by weight of lubricin to hyaluronic acid ranges from 0.05 to 0.40.

20. (Previously presented) The method of claim 9, wherein the ratio by weight of lubricin to hyaluronic acid ranges from 0.08 to 0.25.

21. (Previously presented) The method of claim 9, wherein said solvent is a Ringer solution or a physiological salt solution.

22. (Currently amended) The method of claim 9, wherein the concentration of lubricin to ~~hyaluronic acid~~ ranges from 0.02 to 0.05 % by weight.

23. (Currently amended) The method of claim 9, wherein the concentration of lubricin to ~~hyaluronic acid~~ ranges from 0.2 to 0.4% by weight.